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IMAGERY
ANALYSIS
DIVISION

PIR

PHOTOGRAPHIC INTELLIGENCE REPORT

[redacted]

ANALYSIS OF INTERFEROMETER ELEVATIONS AT LAUNCH SITE B, UZHUR ICBM COMPLEX, USSR

Declassification Review by NIMA/DoD

[redacted]

25X

25X

CIA/PIR 61096

[redacted]

DATE Feb 1966
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25X1

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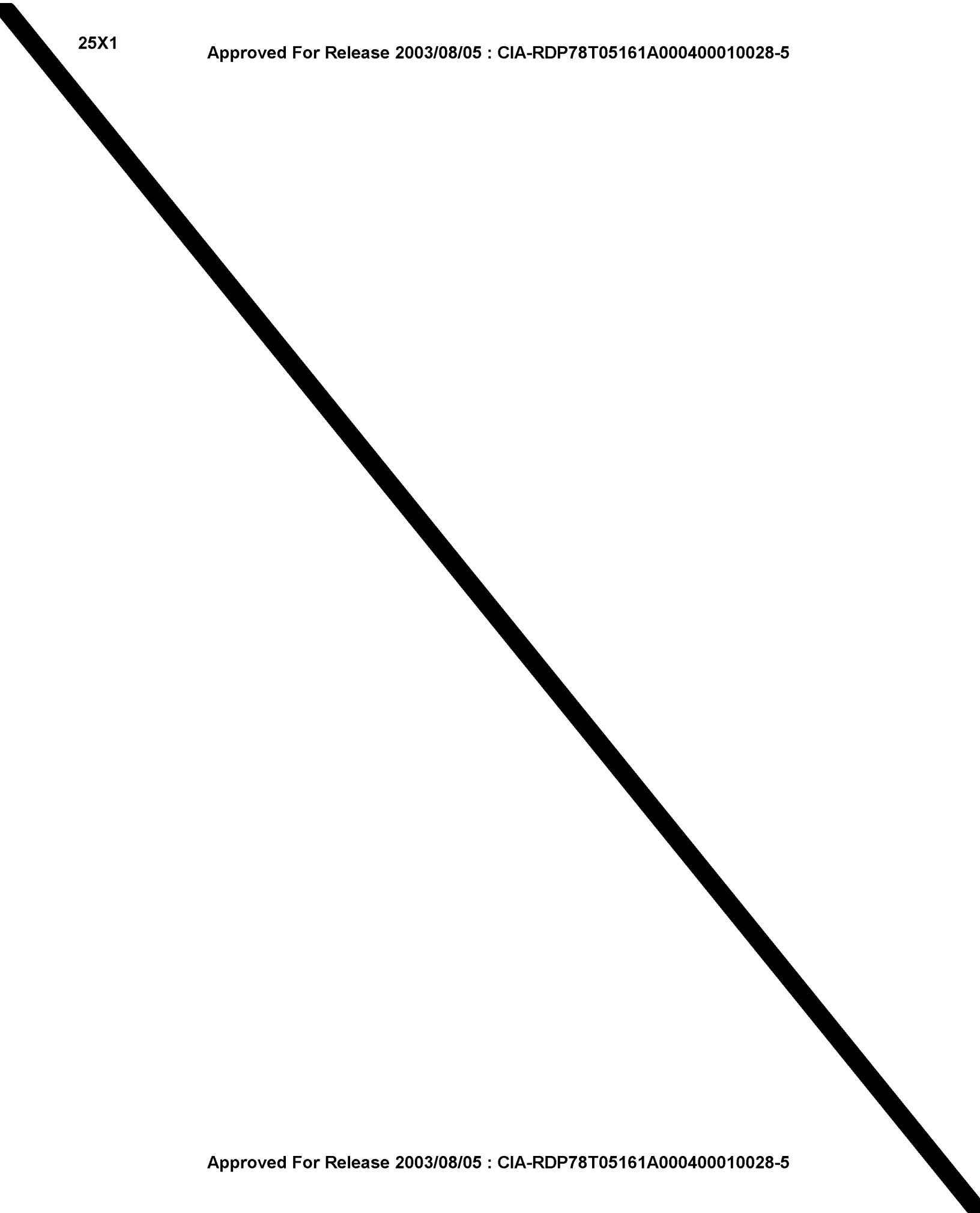

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CIA IMAGERY ANALYSIS DIVISION [redacted] 25X1

CIA/PIR-61096

ANALYSIS OF INTERFEROMETER ELEVATIONS AT LAUNCH SITE B, UZHUR ICBM COMPLEX, USSR

Analysis of recent good quality stereo [redacted] 25X1 of the "L" interferometer under construction at Launch Area B, Uzhur ICBM Complex, has resulted in a better understanding of the configuration of this facility.

It has been established that there is a perceptible difference in elevation between the apex of the "L" and the extremity of the north-south leg. The end of the east-west leg appears to be on approximately the same plane as the apex, having been constructed parallel to the contours of a hillside. The north-south leg is oriented on the expected azimuth of launch with the north end of the leg being 20 to 40 feet lower than the apex.

The launch site itself, a Type III-C silo and control facility, is situated in relatively rough terrain where there is not sufficient space to construct the [redacted] X1 legs of the interferometer on level ground. Figure 1 illustrates the layout of Launch Area B at Uzhur. This is the first instance where it can be stated with any degree of certainty that one of the legs of a Soviet "L" type interferometer is not level.

Vertical measurements were made by the Technical Intelligence Division, NPIC using the [redacted] X1 computer and the [redacted] stereo plotter. A height 25X1 determination of selected buildings in the area was established by use of a shadow factor. These heights were then measured in stereo on the [redacted] 25X1 stereo plotter to establish a vertical scale. This was then applied to the apex and the ends of the "L" interferometer. Since there was no ground control available to establish absolute orientation, the stereo model could only be leveled to the extent that drains were flowing in the proper direction. However, the object of concern was confined to a small area positioned at the approximate center of the model which minimizes the effects of a tilted model plane. Because of the lack of absolute ground control, TID, NPIC can only guarantee that these vertical measurements are accurate to within plus or minus 20 feet. The analysts involved, however, are confident that the north end of the "L" is definitely lower than the apex with only the magnitude of the difference in elevation being in question.

Approved For Release 2007/08/15 : CIA-RDP78T05161A000400010028-5 [redacted] 25X1 25X1

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REFERENCES

PHOTOGRAPHY

X1

REQUIREMENT

C-DS5-83,112

CIA/IAD PROJECT

30512-6 (Partial)

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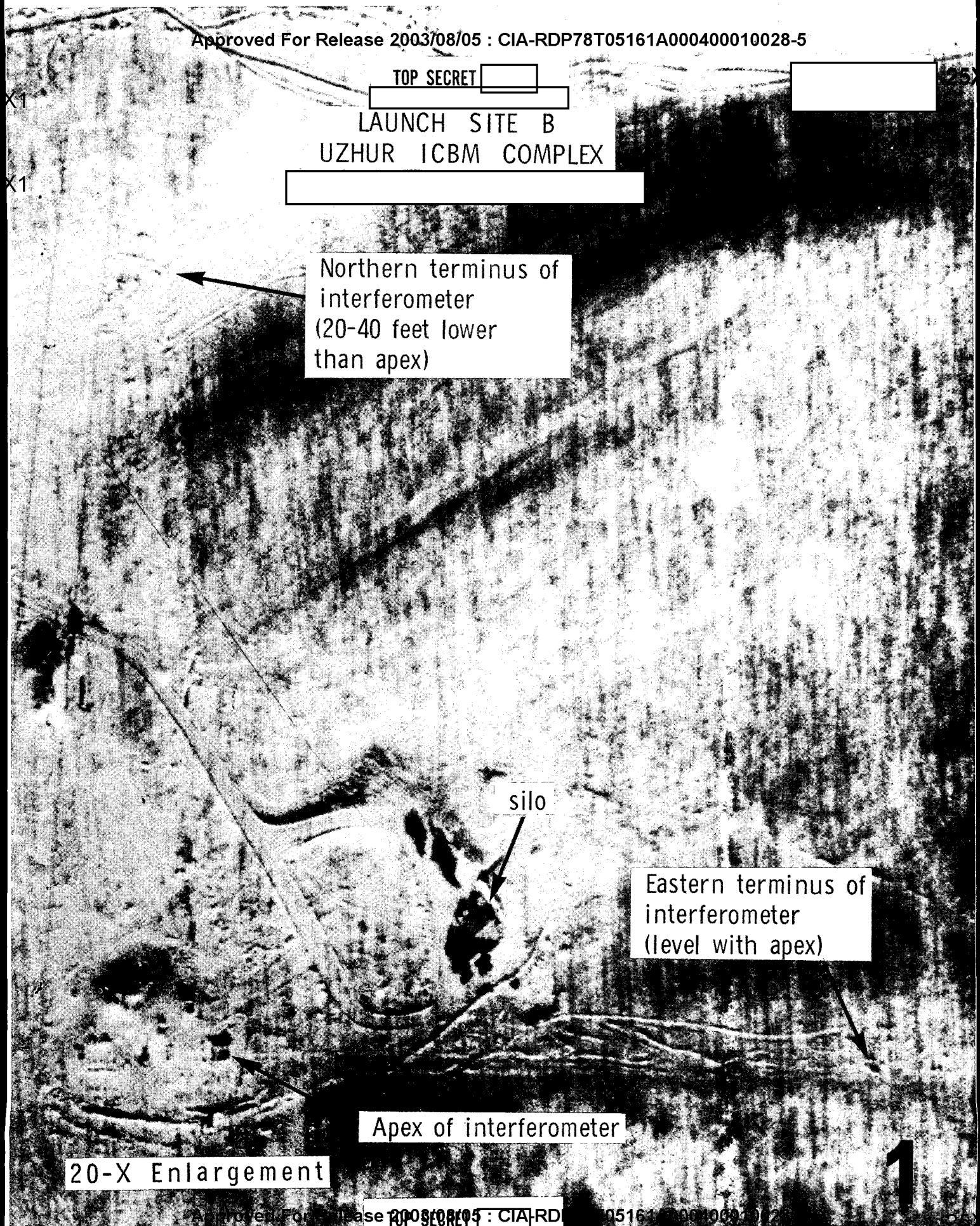
LAUNCH SITE B
UZHUR ICBM COMPLEX

X1



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